

CLAIMS

1. A vehicular rearview mirror control, comprising:
a controller configured to receive at least one light sensor signal, said controller is further configured to generate an interior rearview mirror control signal and at least one exterior rearview mirror control signal, wherein at least one of said control signals is a function of at least one window light ray transmittance value.
2. A vehicular rearview mirror control as in claim 1 further comprising at least one light sensor located within an interior rearview mirror assembly.
3. A vehicular rearview mirror control as in claim 2 wherein said light sensor signal is transmitted from said interior rearview mirror assembly to an exterior rearview mirror via a bus.
4. A vehicular rearview mirror control as in claim 1 wherein at least one of said control signals is configured to maintain an interior rearview mirror reflectance value greater than or equal to an exterior rearview mirror reflectance.
5. A vehicular rearview mirror control as in claim 4 wherein a side window light ray transmittance is greater than a rear window light ray transmittance value.
6. A vehicular rearview mirror control as in claim 1 wherein at least one exterior rearview mirror comprising an element heater.
7. A vehicular rearview mirror control as in claim 1 wherein at least one of said control signals is a function of the curvature of at least one mirror.
8. A vehicular rearview mirror control as in claim 1 wherein at least one of said control signals is a function of the size of at least one mirror.

9. A vehicular rearview mirror control as in claim 1 wherein at least one of said control signals is a function of the shape of at least one mirror.
10. A vehicular rearview mirror control as in claim 1 wherein at least one of said control signals is a function of the thermal environment of at least one mirror.
11. A vehicular rearview mirror control as in claim 1 wherein said at least one window light ray transmittance value is stored in a memory location.
12. A vehicular rearview mirror control, comprising:
a drive circuit mounted in an exterior rearview mirror housing and coupled to a mirror element, said drive circuit generates, selectively varies, and supplies the drive signal to said mirror element in response to a glare signal received by said drive circuit from a glare sensor, the glare signal representing a glare level, said drive circuit selectively varies the drive signal as a function of the glare level based upon a reflectance curve.
13. A vehicular rearview mirror control as in claim 12 wherein said glare sensor is located in an interior rearview mirror and said glare signal is transmitted to said exterior mirror via a bus.
14. A vehicular rearview mirror control as in claim 12 wherein said exterior rearview mirror further comprises an element heater.
15. A vehicular rearview mirror control as in claim 12 wherein said reflectance curve is a function of at least one of the characteristics selected from the group comprising: a mirror curvature, a mirror shape, a mirror size and a mirror thermal environment.
16. A vehicular rearview mirror control as in claim 12 wherein at least a portion of said reflectance curve is stored in a memory location.
17. A vehicular rearview mirror control, comprising:

a controller configured to receive a glare signal, wherein said controller is further configured to generate a rearview mirror control signal as a function of said glare signal and as a function of at least one window light ray transmittance value.

18. A vehicular rearview mirror control as in claim 17 wherein at least one of said control signals is a function of the curvature of at least one mirror.

19. A vehicular rearview mirror control as in claim 17 wherein at least one of said control signals is a function of the size of at least one mirror.

20. A vehicular rearview mirror control as in claim 17 wherein at least one of said control signals is a function of the shape of at least one mirror.

21. A vehicular rearview mirror control as in claim 17 wherein at least one of said control signals is a function of the thermal environment of at least one mirror.

22. A vehicular rearview mirror control as in claim 17 wherein said glare signal is a function of at least one light sensor.

23. A vehicular rearview mirror control as in claim 22 wherein said at least one light sensor is positioned to sense light rays passing through a rear window.

24. A vehicular rearview mirror control as in claim 17 wherein said glare signal is a function of a first light sensor and a second light sensor.

25. A vehicular rearview mirror control as in claim 24 wherein said first light sensor is positioned to sense light rays passing through a rear window and said second light sensor is positioned to sense light rays passing through a front window.

26. A vehicular rearview mirror control as in claim 17 wherein said glare signal is received via a bus.

27. A vehicular rearview mirror control as in claim 17 wherein said glare signal is received via pulse width modulation.

28. A vehicular rearview mirror control as in claim 17 wherein said at least one window light ray transmittance value is stored in a memory location.